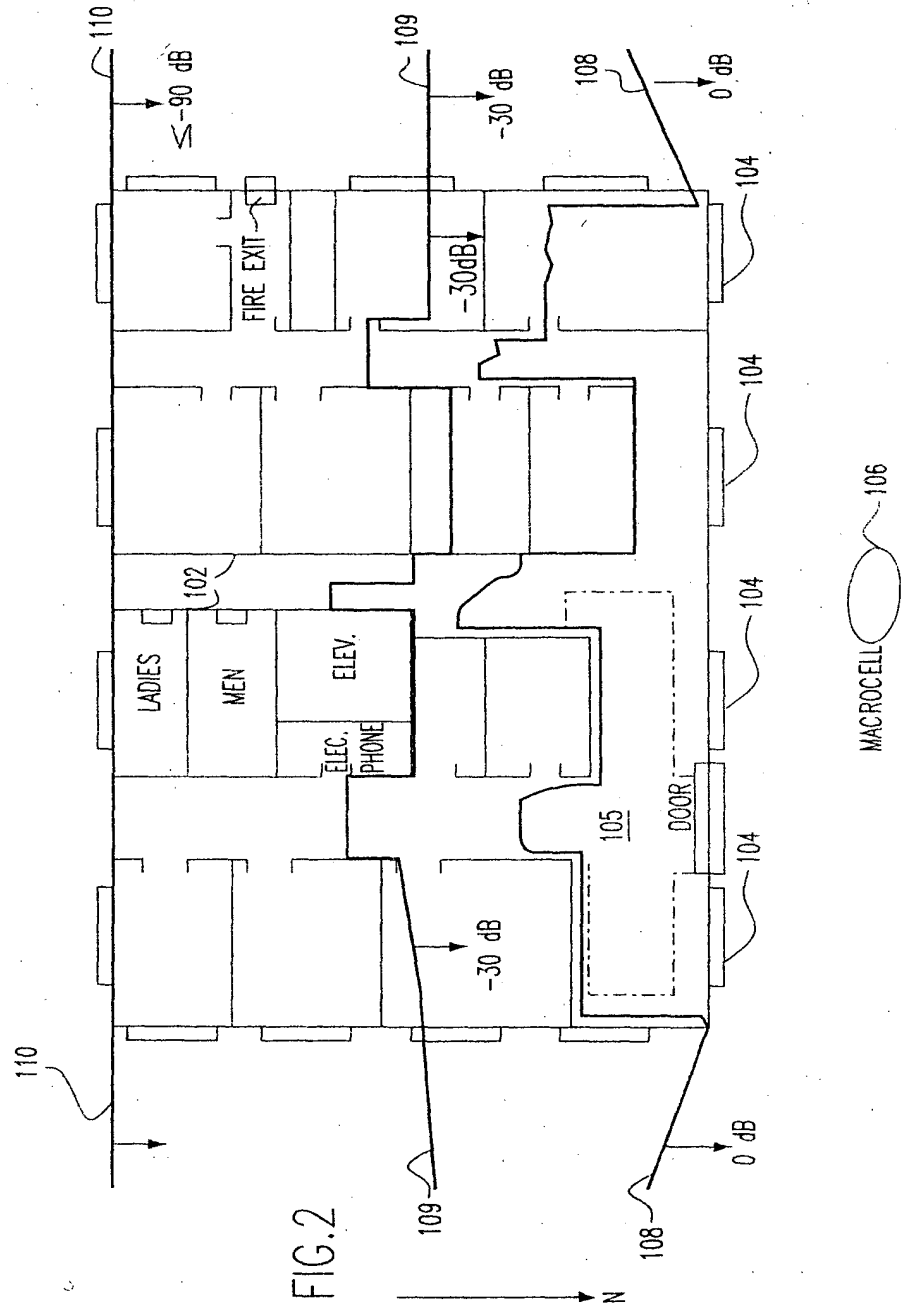


FIG.1



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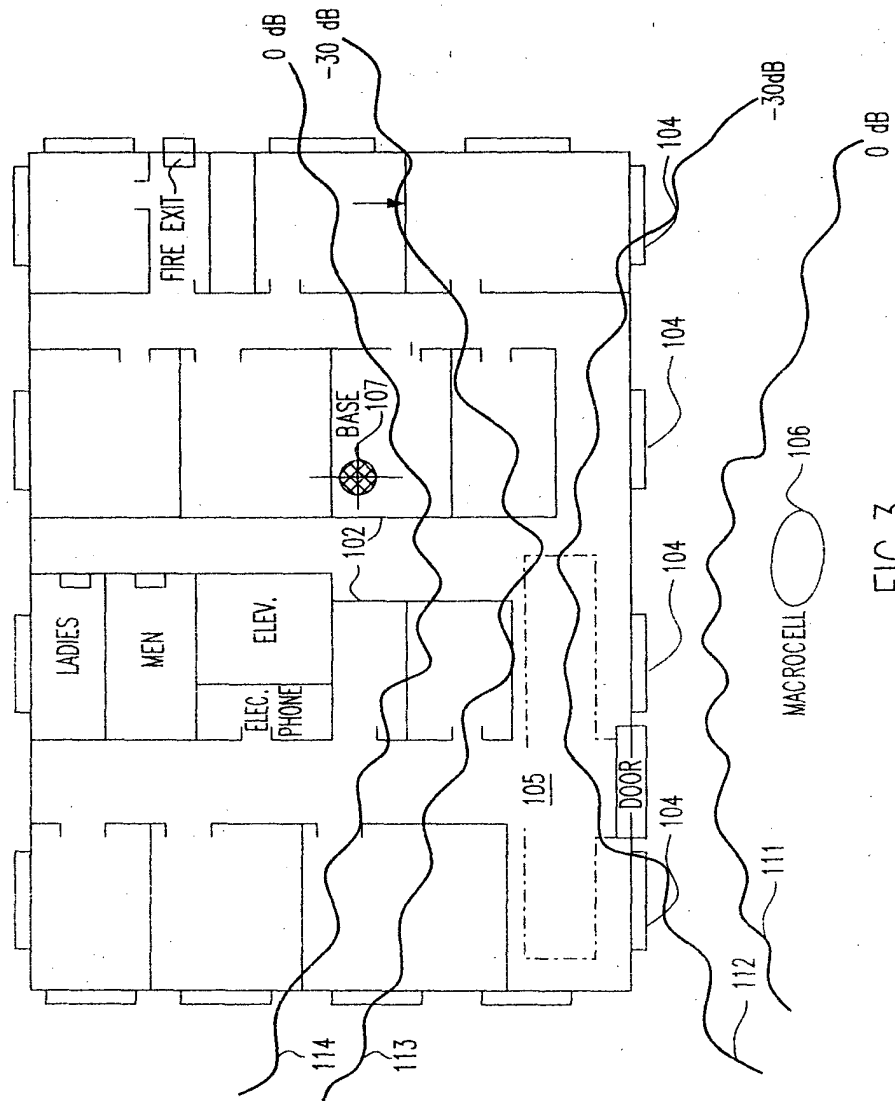


FIG. 3.

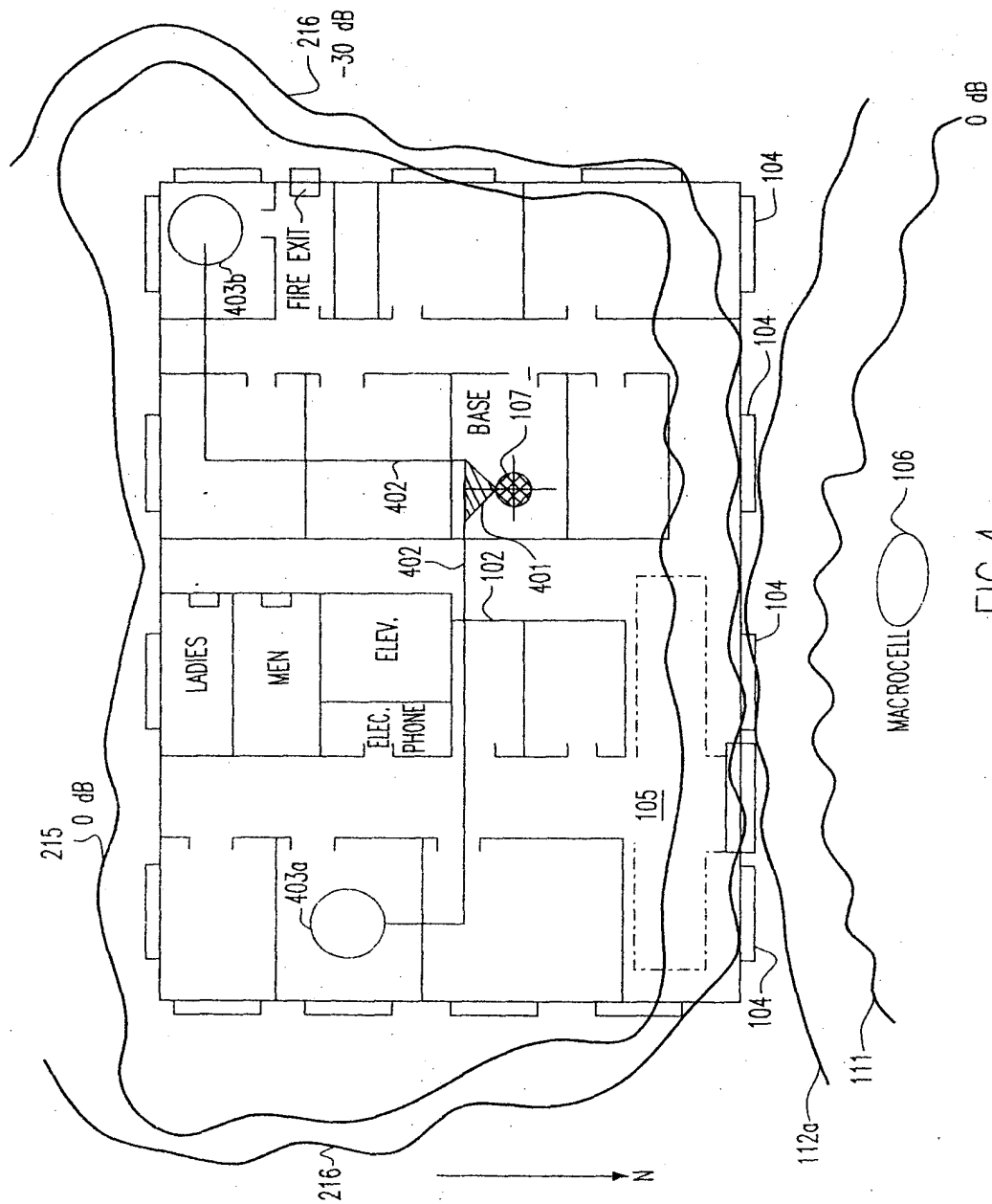


FIG. 4

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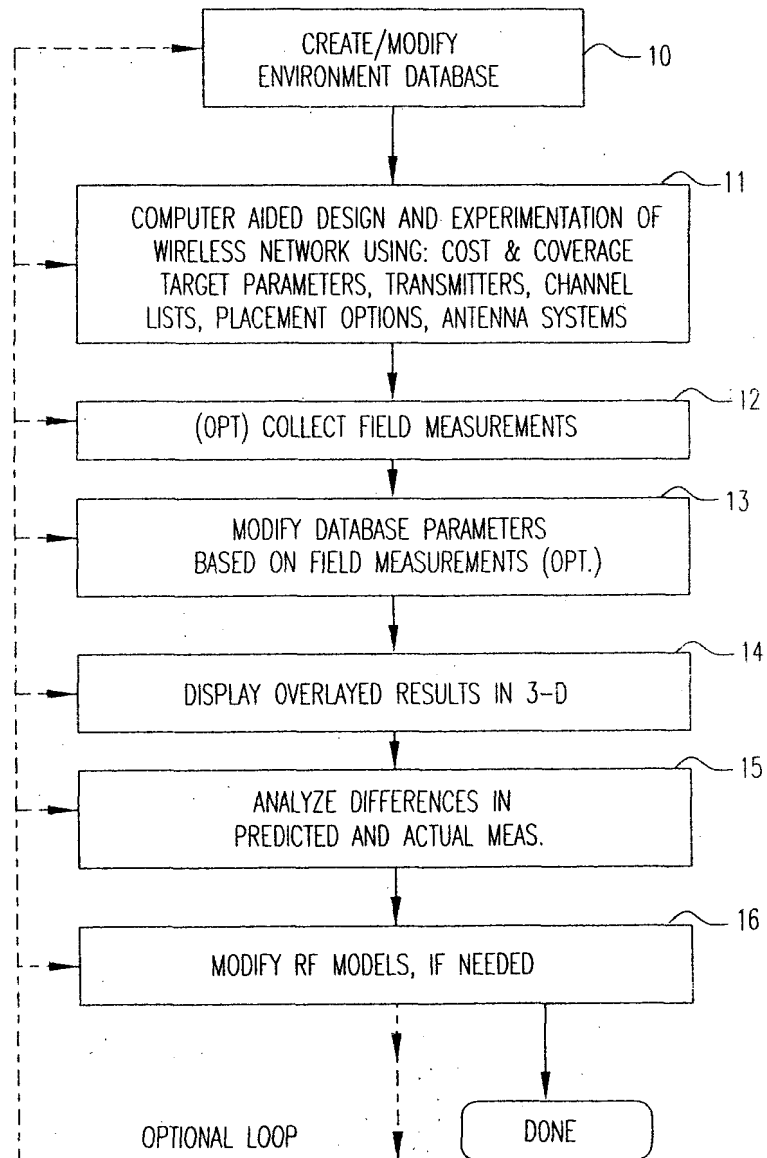


FIG.5

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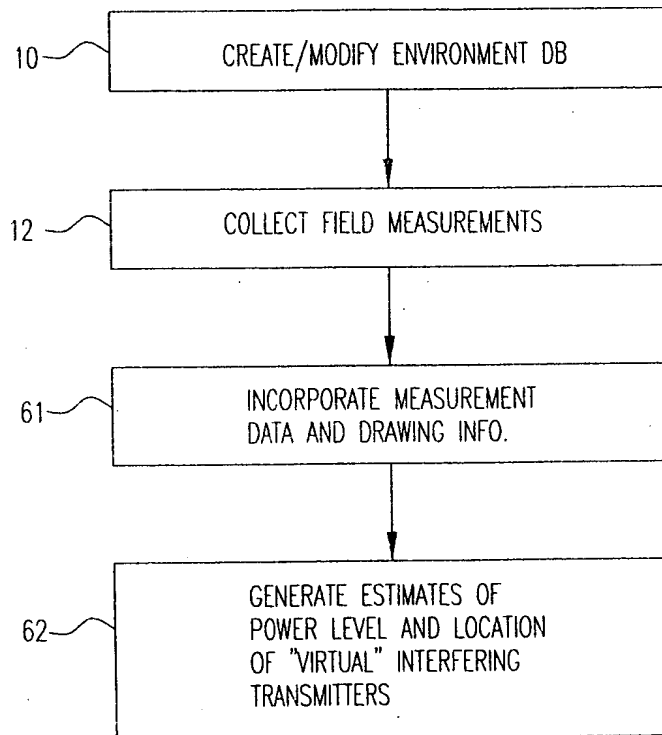


FIG.6

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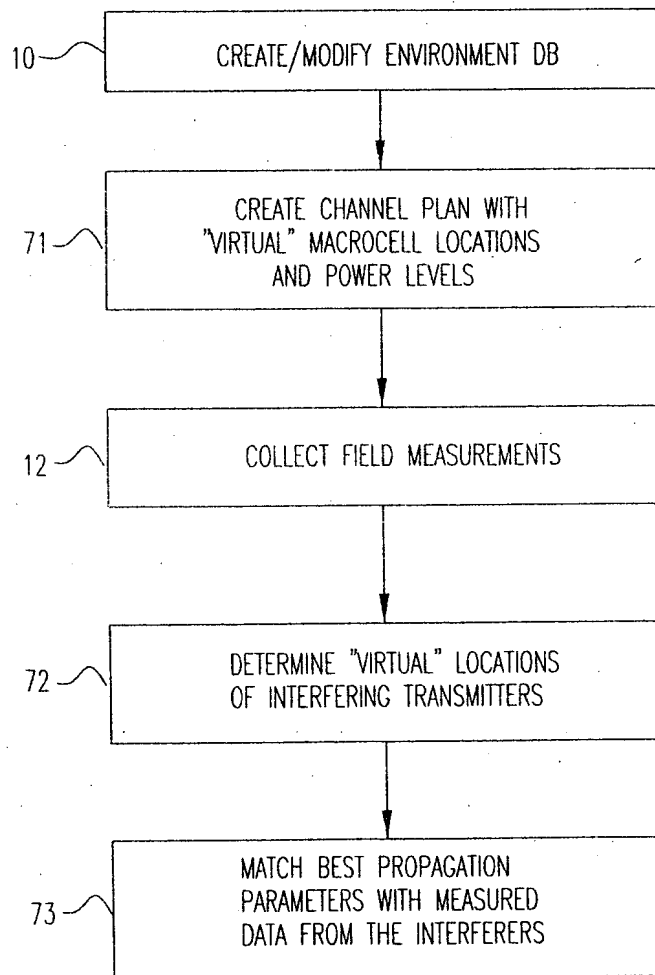


FIG. 7

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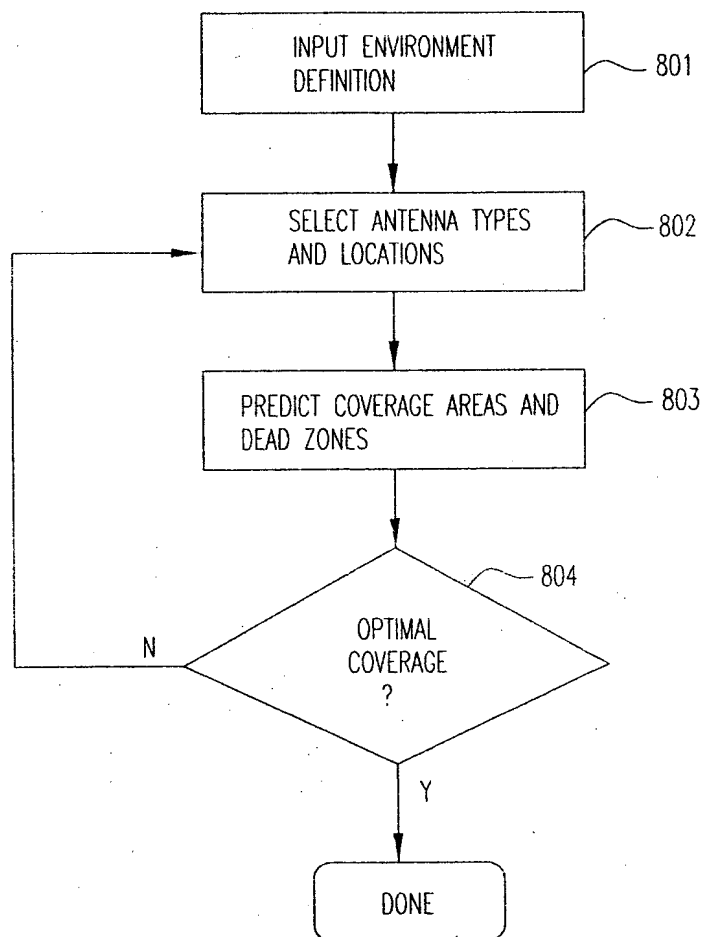


FIG.8

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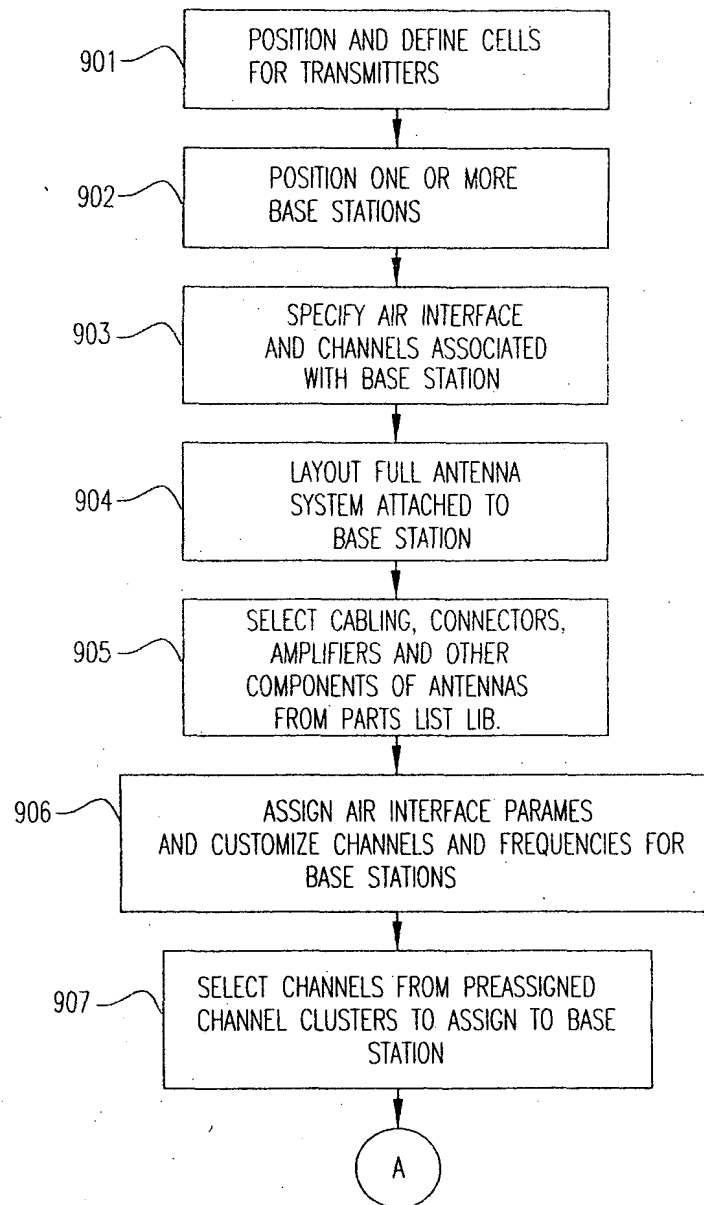


FIG. 9A

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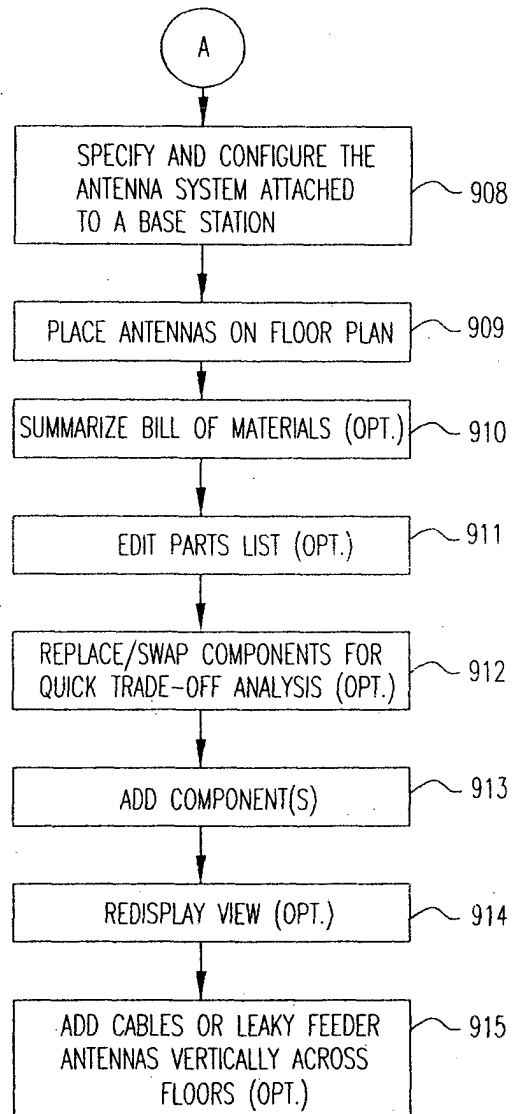


FIG.9B

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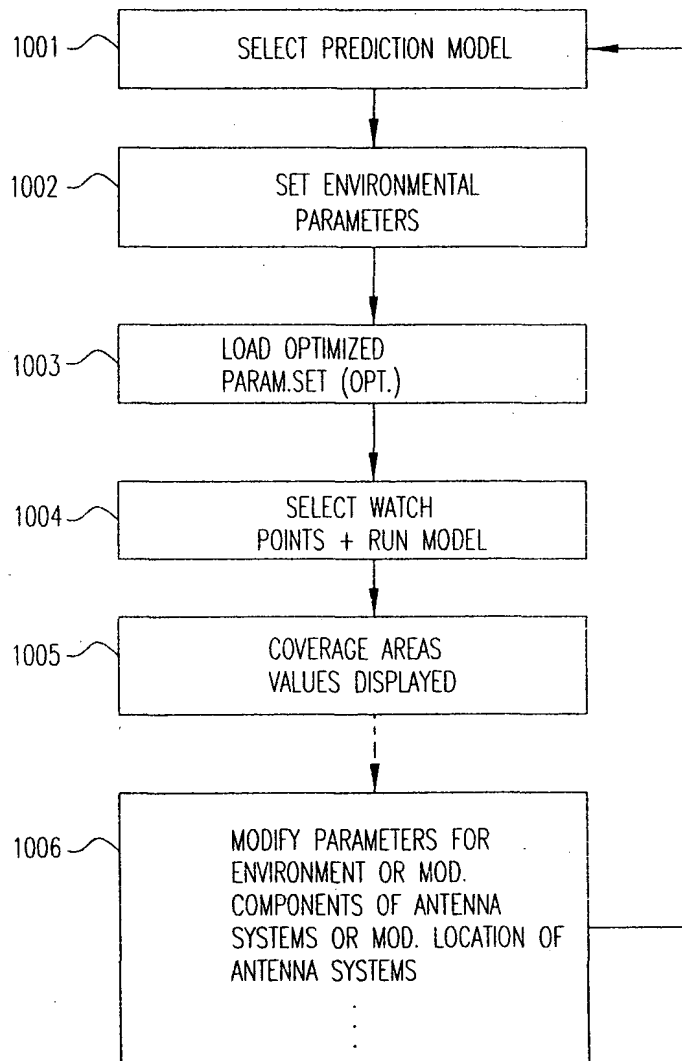


FIG.10

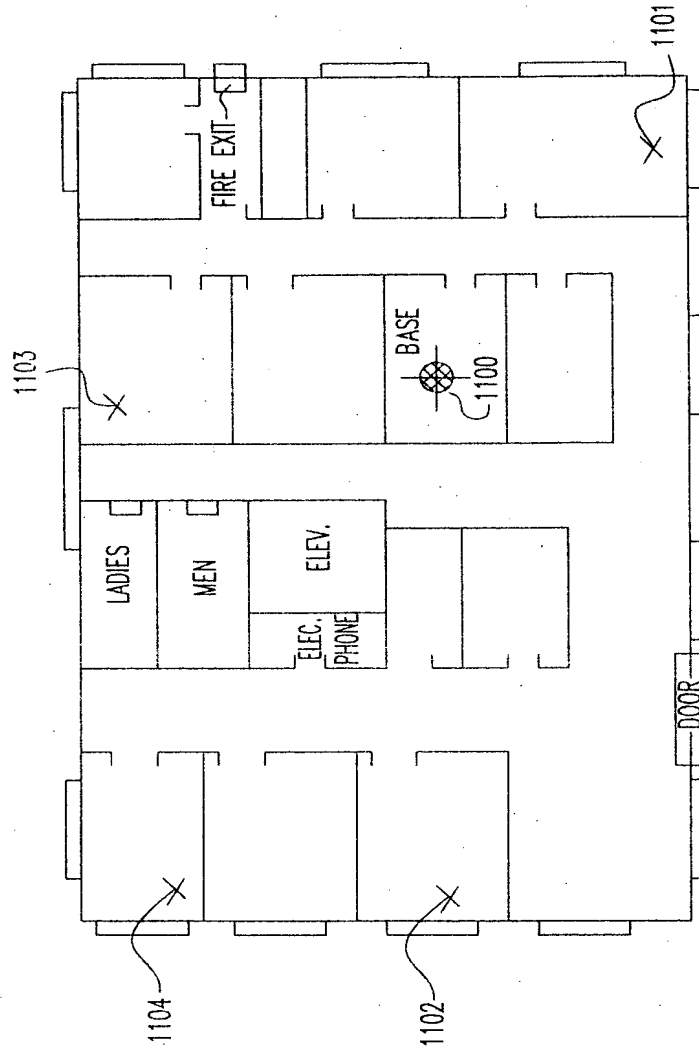


FIG.11

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Antenna Position Mode Prediction Control

CDMA1 AllenTel dB omni PCN 1850-1990 360Deg 6.00 dB Gain

Watch Points

1-Floor1, 67.71, 3.83, 1.80
2-Floor1, 54.11, 25.25, 1.80
3-Floor 1, 33.67, 24.34, 1.80
4-Floor1, 33.46, 8.05, 1.80

Add Watch Point

Remove Watch Point

Floor

1

Mobile Receiver Parameters

Predict

☒ RSSI

☐ SIR

☐ SNR

Antenna Positioning Options

☒ Left Click on Location

☐ Track Mouse Movement

OK

Cancel

FIG.12

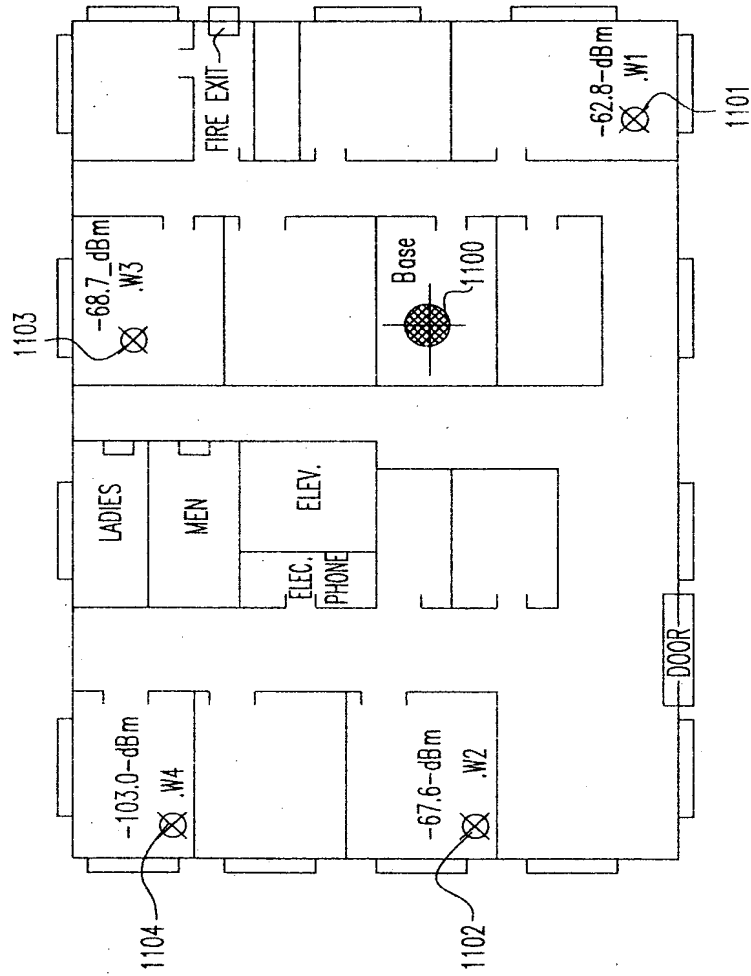


FIG.13

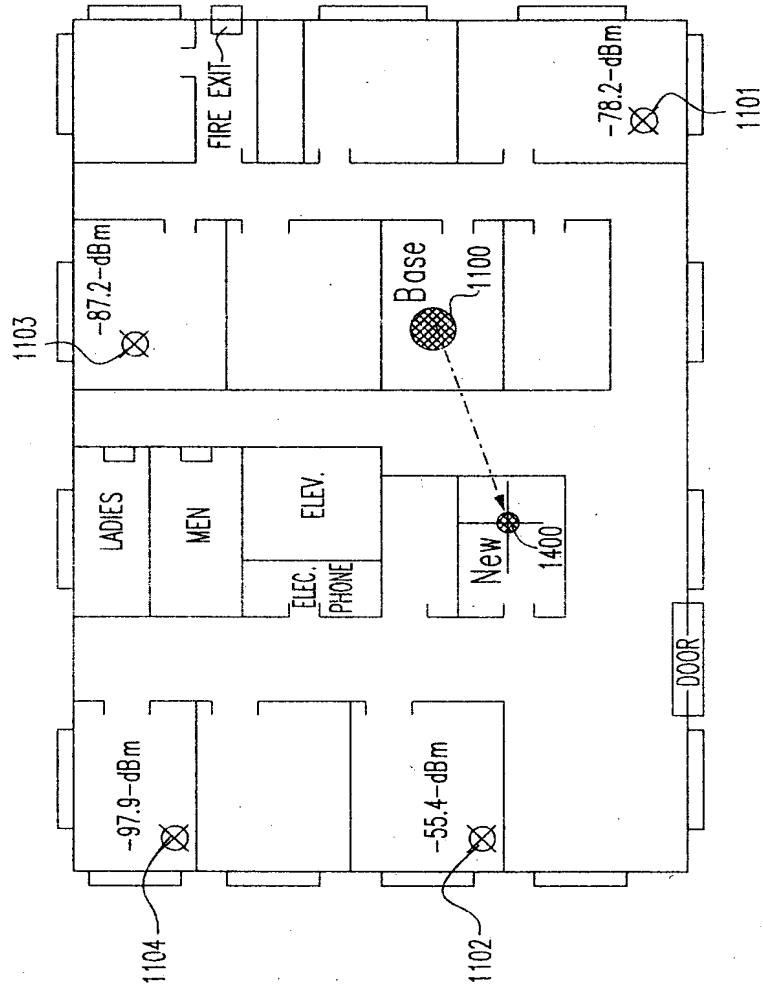


FIG.14

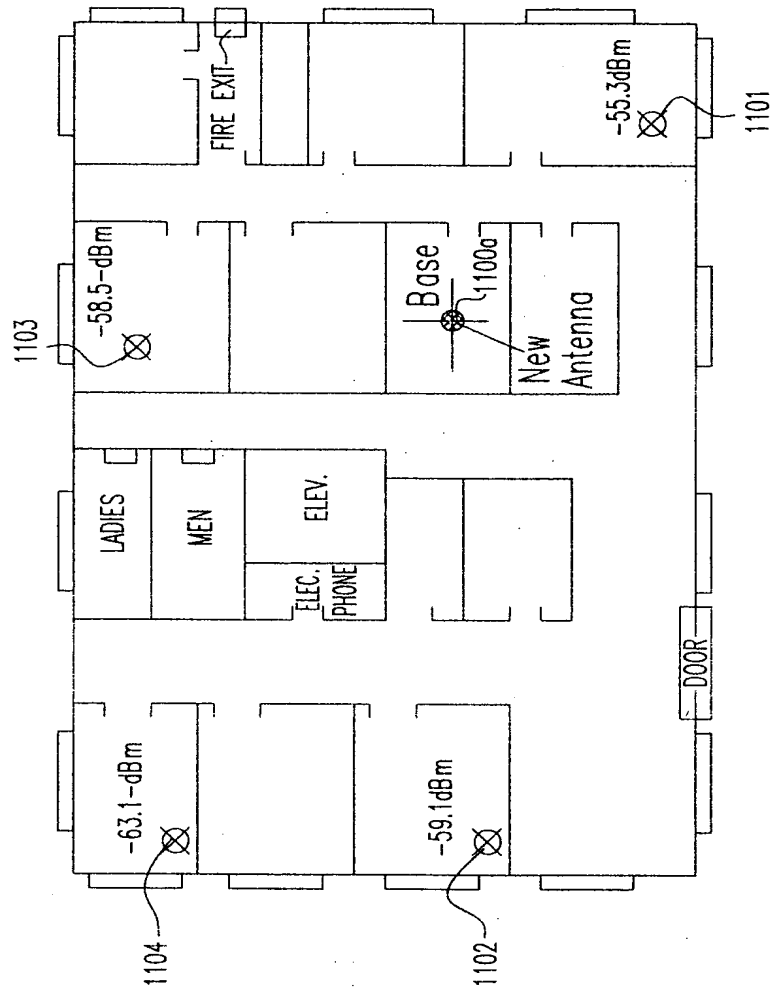


FIG.15

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Bill of Materials for Current Drawing

1610 {
SUBTOTAL (excluding base station CDMA1): \$0.00
BASE STATION: MACROCELL
DESCRIPTION: CDMA MACROCELL
FLOOR1
POSITION: 84.3, 44.0, 1.8
CHANNEL SET: MACROCELL: IS-95A CDMA Default
SUBCHANNEL SET: Default Channel Set
TXPOWER: 10.00 dBm
RF Bandwidth: 1.25 MHz
RECEIVER NOISE FIGURE: 0.00 dB
CHANNELS ASSIGNED TO BASE STATION
1

1611 {
--NAME: AllenTel PCN PANEL 1710-1990 92 Deg 9.00 dB Gain
TYPE: ANTENNA_POINT
MANUFACTURER: Allen Telecom
PART NUMBER: DB972 1850
FREQUENCY: 1710-1990 MHz
PATTERN FILE: 972_185.ant
FLOOR1
POSITION: 84.3, 44.0, 1.8
COST: \$0.00 ~ 1612

SUBTOTAL (excluding base station MACROCELL): \$0.00 ~ 1613
TOTAL COST(excluding base stations): \$0.00 ~ 1614

Save to ASCII File ok

FIG.16

Bill of Materials for Current Drawing

1611 { TYPE: ANTENNA_POINT
MANUFACTURER: Allen Telecom
PART NUMBER: DB972 1850
FREQUENCY: 1710-1990 MHz
PATTERN FILE: 972_185.ant
FLOOR1
POSITION 84.3, 44.0, 1.8
COST: \$250.00 ~ 1612a

1720 { --NAME: 7/8", 50-ohm Foam Dielectric Coaxial Cable"
TYPE: CABLE
MANUFACTURER: Andrew
PART NUMBER: LDF5*
FREQUENCY: 2000MHz
LENGTH: 120.41 m (395.06ft)
LOSS PER 100 m: 6.46 dB
TOTAL LOSS: 7.78 dB
POSITION:
Vertex0: 10.6, 0.8, 1.8
Vertex1: 1.7, 2.8, 1.8
Vertex2: 1.7, 31.0, 1.8
Vertex3: 35.3, 31.0, 1.8
Vertex4: 35.3, 23.5, 1.8
Vertex5: 65.4, 23.6, 1.8
Vertex6: 72.6, 32.0, 1.8
COST: \$85.00 ~ 1721

SUBTOTAL(excluding base station MACROCELL): \$470.00 ~ 1613a

TOTAL COST(excluding base stations): \$470.00 ~ 1614a

Save to ASCII File ok

FIG.17

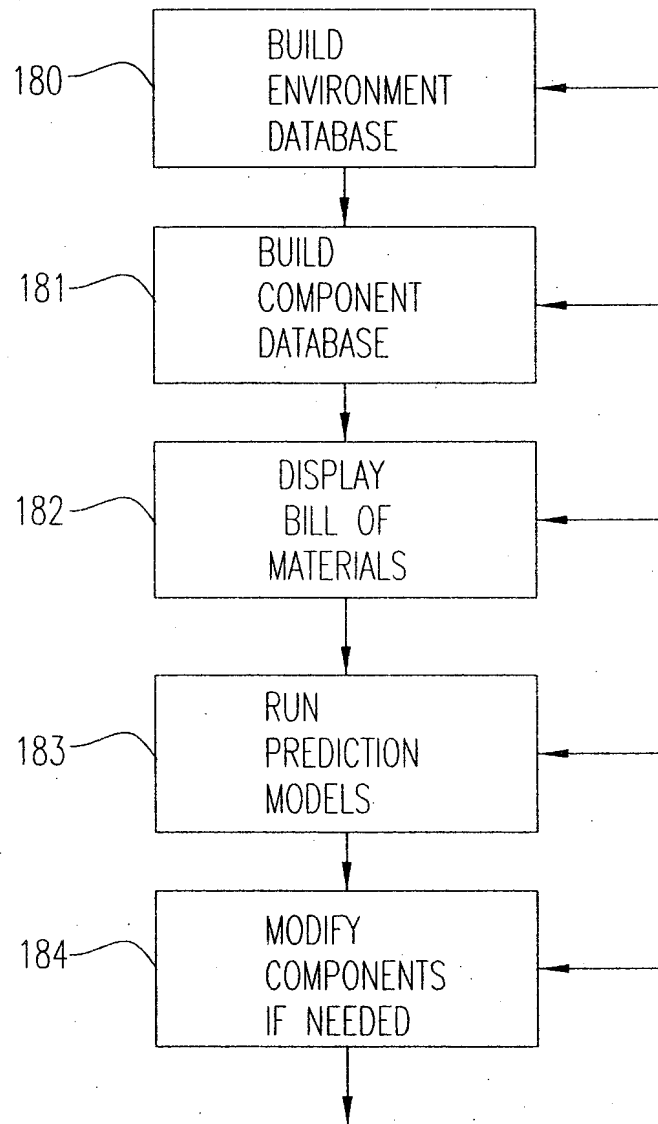


FIG.18

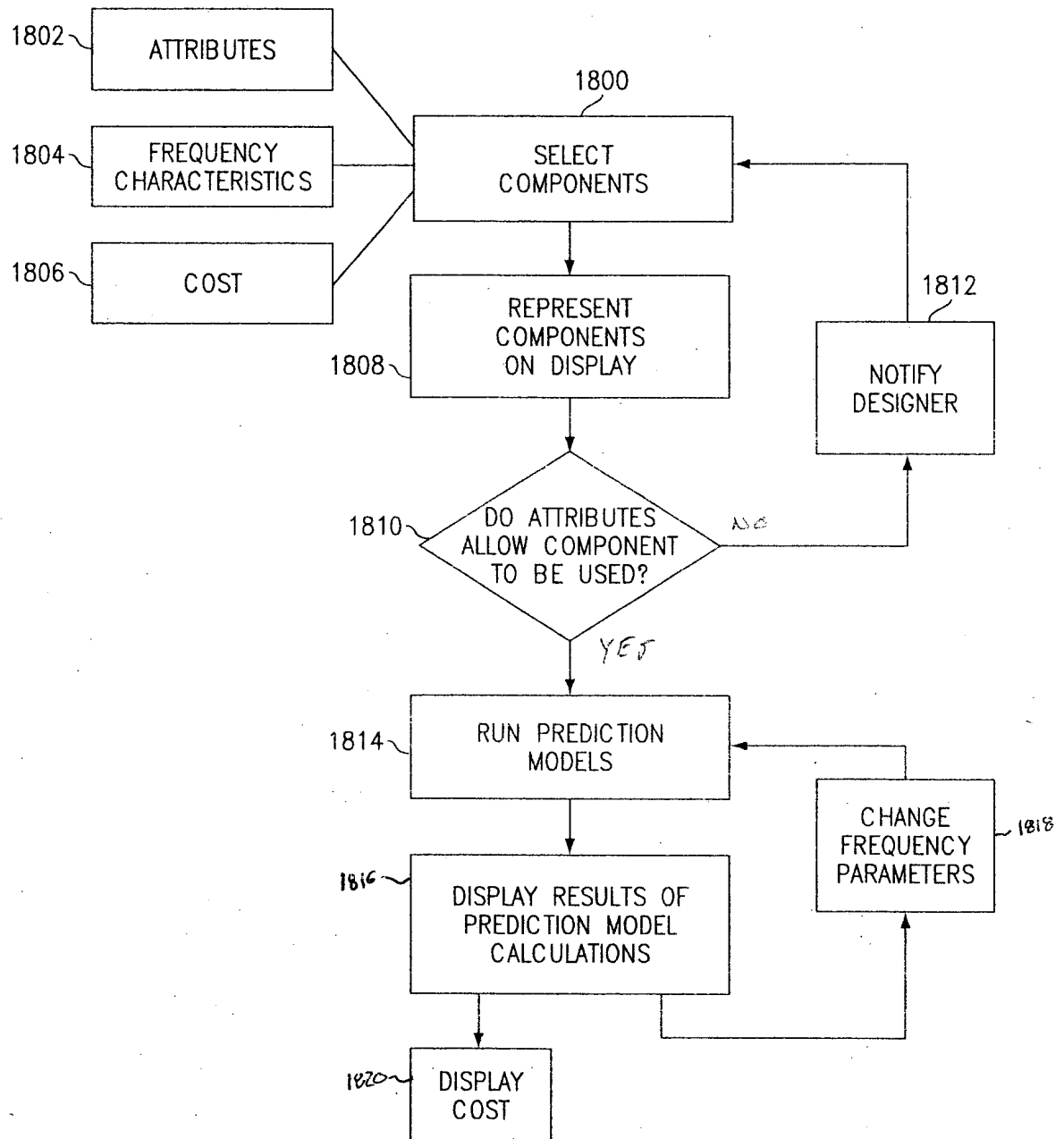


FIG.19

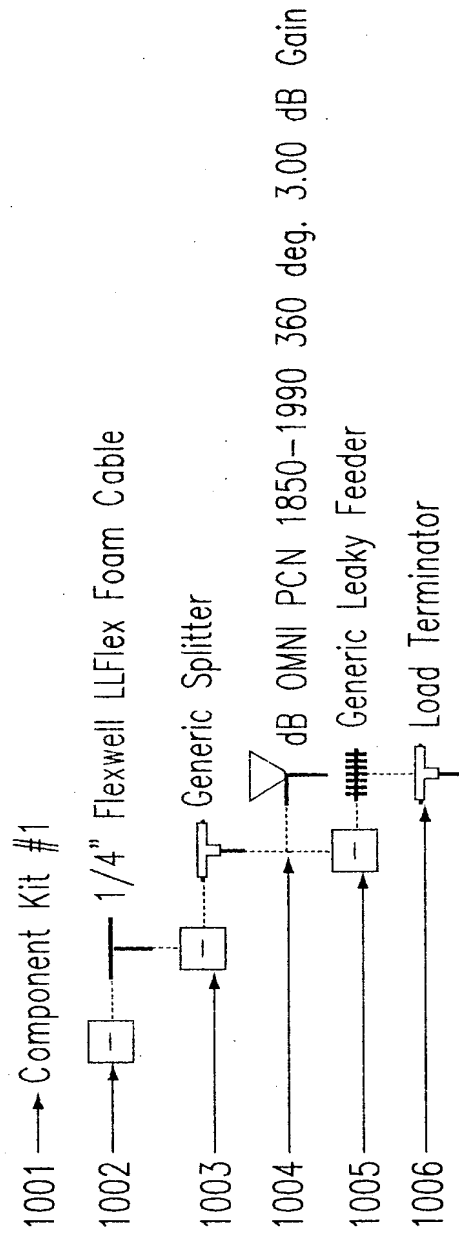


FIG.20

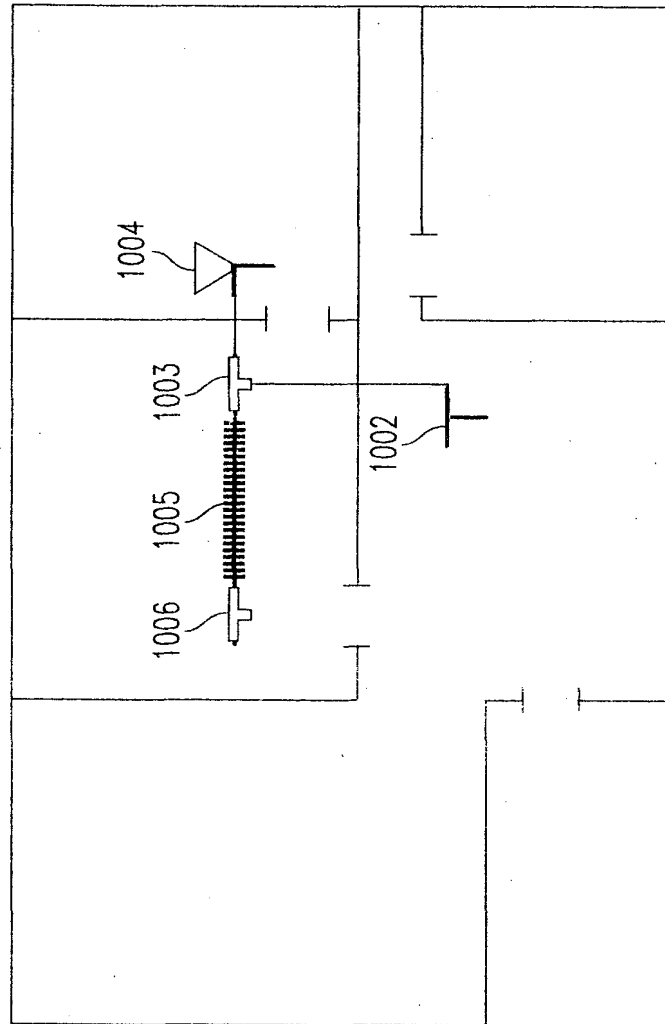


FIG. 21